

## SECTION 10430

### SIGNS

#### PART 1 GENERAL

##### 1.01 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data and installation instructions for each type of sign required.
- B. Samples: Submit samples of each sign form and material showing finishes, colors, surface textures and qualities of manufacturer and design of each sign component including graphics.
  - 1. Submit full-size sample units, if requested by the Architect. Acceptable units may be installed as part of the work.
- C. Shop Drawings: Submit shop drawings for fabrication and erection of signs. Include plans, elevations, and large scale details of sign wording and lettering layout. Show anchorages and accessory items. Furnish location template drawings for items supported or anchored to permanent construction.
  - 1. Furnish full-size spacing templates for individually mounted letters.

##### 1.02 QUALITY ASSURANCE

- A. Uniformity of Manufacturer: For each separate type of sign required, obtain signs from one source from a single manufacturer.
- B. Accessibility:
  - 1. Comply with California Building Code (CBC), Title 24, Part 2, Chapter 11B; Sections 1103.2.4 and 1117B.5.
  - 2. Comply with Americans with Disabilities Act (ADA), including the ADA Accessibility Guidelines for Buildings and Facilities.
    - a. Documents are available from the U.S. Department of Justice, Civil Rights Division, 202/514-0301, and from the Architectural and Transportation Barriers Compliance Board, 800/USA-ABLE

#### PART 2 PRODUCTS

##### 2.01 GENERAL

- A. Letter Style: Helvetica medium, for all signs.
- B. All letters uppercase.

##### 2.02 PLASTIC SIGNS

- A. Manufacturer: One of the following or approved equal:
  - 1. ASI Sign Systems
  - 2. Best Manufacturing Co.
  - 3. Mills Manufacturing, Inc.
  - 4. Mohawk Sign Systems
  - 5. Vomar
  - 6. Karman, Ltd.

- B. Material: High-pressure plastic laminate engraving stock with face and core plies in contrasting colors, in finishes and color combinations indicated or, if not indicated, as selected from the manufacturer's standards.
  - 1. NEMA rated self-extinguishing.
  - 2. Thickness: 1/4 inch.
  - 3. Edges: Square cut.
  - 4. Corners: As indicated on Drawings.
- C. Color: Matte finish with color of characters and symbols contrasting with background. Colors as selected by Architect.
- D. Graphic Content and Style: Comply with requirements indicated and with ADA Accessibility Guidelines and CBC, Title 24, Part 2, Sect. 1117B.5.
- E. Permanent Signs: Raised and brailled characters and pictorial symbol signs in accordance with ADA Accessibility Guidelines and CBC, Title 24, Part 2, Sect. 1117B.5.
- F. Directional and Informational Signs: Character proportion and height in accordance with ADA Accessibility Guidelines and CBC, Title 24, Part 2, Sect. 1115B.5 and Sect. 1117B.5.
- G. Braille Symbols: Provide Contracted Grade 2 Braille with dots 1/10 inch (2.54 mm) on centers in each cell with 2/10 inch (5.08 mm) space between cells and with dots raised a minimum of 1/40 inch (0.635 mm) above background.
- H. Applied (added-on) copy not acceptable.
- I. Adhesive mount with adhesive recommended by sign manufacturer for substrate applied to.
- J. Provide plastic signs as indicated in schedule and details on Drawings:
  - 1. Toilet Room Signs: Triangular with 12 inch sides, for each Men/Boys, 12 inch round for each Women/Girls; 1/4 inch thick.

### **2.03 DIE-CUT VINYL FILM LETTERS**

- A. Manufacturer: One of the following or approved equal:
  - 1. Architectural Signing, Inc.
  - 2. Cooper Architectural Signs
- B. Type: Individual letters die-cut from 3.5 mil thick vinyl film. Furnish letters spaced and aligned with entire message on a single application carrier tape, with complete application instructions.
- C. Color: As selected by Architect.
- D. Size: As shown.

### **2.04 EXTERIOR ACCESSIBILITY SIGNAGE**

- A. Manufacturer: Western Highway Products, Inc., Stanton, CA, 714/761-4811 or 800/479-3783, or approved equal.
- B. Signs: Fabricate signs of 3M Scotchlite Brand reflective sheeting laminated to 18 gage galvanized heavy-duty steel and silkscreened in transparent blue.

- C. Posts: 14 gage or 0.050 aluminum, galvanized steel square tube, 2-1/4 inches square, punched and with corrosion and tamper resistant fasteners.

### **PART 3 EXECUTION**

#### **3.01 INSTALLATION**

- A. General: Locate sign units and accessories where shown, scheduled, or directed by Architect, using mounting methods shown or selected by Architect and in compliance with the manufacturer's instructions and with ADA Accessibility Guidelines and CBC, Title 24, Part 2, Chapter 11B, for buildings and facilities.
- B. Install level, plumb, and at proper height with sign surfaces free from distortion or other defects in appearance. Cooperate with other trades for installation to finish surfaces. Repair or replace damaged units as directed by the Architect.
  - 1. Flush Mounting: Mount letters with backs in contact with the wall surface.

#### **3.02 CLEANING AND PROTECTION**

- A. At completion of installation, clean soiled sign surfaces in accordance with manufacturer's instructions. Protect units from damage until acceptance by Owner.

**END OF SECTION**